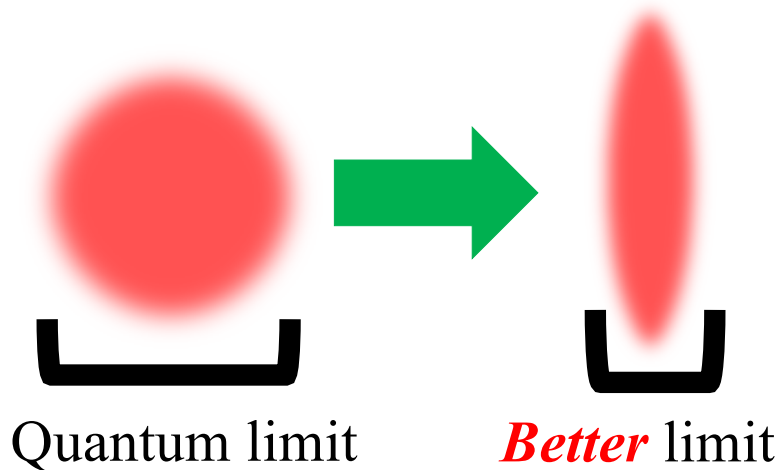
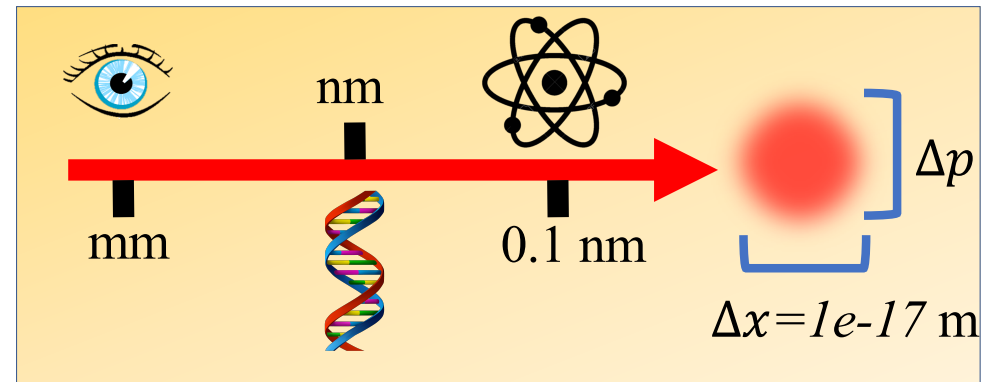


Measure more *precise* than nature allows us to!

L. Xin, T.A.B Kennedy, M. S. Chapman

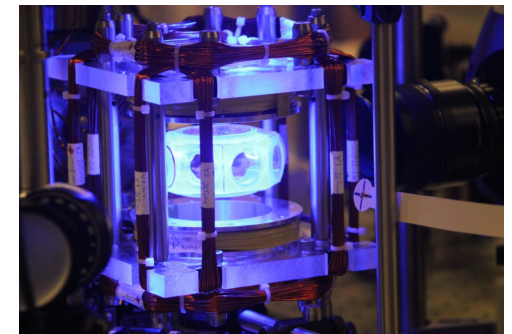


The *area* of detection limit is *conserved* due to the Heisenberg physics law but can be *squeezed* like a balloon.



Apparatus: Ultracold **Rb** atom.

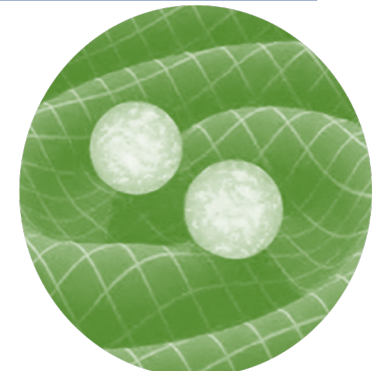
$T \sim$ nano Kelvin



Applications



Brain functional neuro imaging



Gravitational wave detection

